



TROPICAL CYCLONE BULLETIN NO. 1
Tropical Depression ROSAL

Issued at 11:00 AM, 10 December 2022

Valid for broadcast until the next bulletin at 2:00 PM today

THE LOW PRESSURE AREA EAST OF SORSOGON DEVELOPED INTO TROPICAL DEPRESSION "ROSAL"

Location of Center (10:00 AM)	
The center of Tropical Depression "ROSAL" including those from Daet Doppler Weather Radar was estimated based on all available data at 110 km North Northeast of Virac, Catanduanes or 315 km East of Infanta, Quezon (14.5°N, 124.6°E)	
Intensity	
Maximum sustained winds of 45 km/h near the center, gustiness of up to 55 km/h , and central pressure of 1004 hPa	
Present Movement	
Northwestward at 20 km/h	
Extent of Tropical Cyclone Winds	
Strong winds extend outwards up to 150 km from the center	

TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 PM 10 December 2022	15.2	124.7	190 km North Northeast of Virac, Catanduanes or 330 km East of Infanta, Quezon	55	TD	N 10
24-Hour Forecast 8:00 AM 11 December 2022	16.2	125.1	320 km East of Casiguran, Aurora	65	TS	NNE 10
36-Hour Forecast 8:00 PM 11 December 2022	17.0	125.6	380 km East Northeast of Casiguran, Aurora	65	TS	NNE 10
48-Hour Forecast 8:00 AM 12 December 2022	17.6	126.2	470 km East of Tuguegarao City, Cagayan	65	TS	NE 10
60-Hour Forecast 8:00 PM 12 December 2022	17.9	126.6	515 km East of Tuguegarao City, Cagayan	55	TD	NE Slowly
72-Hour Forecast 8:00 AM 13 December 2022	18.2	126.9	555 km East of Aparri, Cagayan	-	LOW	NE Slowly

Prepared by: SMRR

Checked by: SFD



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	Catanduanes, the eastern portion of Camarines Sur (Caramoan, Presentacion, Garchitorena, Lagonoy, San Jose, Tigaon, Sagñay), and the eastern portion of Albay (City of Tabaco, Bacacay, Rapu-Rapu, Malilipot, Malinao, Tiwi)	-	-
	Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property		

HAZARDS AFFECTING LAND AREAS
<p>Heavy Rainfall</p> <ul style="list-style-type: none"> <i>Today:</i> Moderate to heavy with at times intense rains possible over Bicol Region and Quezon. Moderate to heavy rains possible over MIMAROPA and Western Visayas. Light to moderate with at times heavy rains likely over Aurora and the rest of CALABARZON and Visayas. <i>Tomorrow:</i> Light to moderate with at times heavy rains over Bicol Region, Quezon, and Aurora. Under these conditions, flooding and rain-induced landslides are expected, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall. <p>Severe Winds Areas under Tropical Cyclone Wind Signal no. 1 may experience strong winds (strong breeze to near gale strength) associated with Tropical Depression "ROSAL".</p>
HAZARDS AFFECTING COASTAL WATERS
<ul style="list-style-type: none"> Under the influence of the surge of the Northeast Monsoon, a marine gale warning is in effect over the seaboard of Northern Luzon. For more information, refer to Gale Warning #22 issued at 5:00 AM today. In the next 24 hours, the combined effects of the surge of the Northeast Monsoon and the tropical cyclone may also bring moderate to rough seas (1.2 to 3.0 m) over the seaboard of Central Luzon and the eastern and western seaboard of Southern Luzon. These conditions may be risky for those using small seacrafts. Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.
TRACK AND INTENSITY OUTLOOK
<ul style="list-style-type: none"> Tropical Depression ROSAL is forecast to decelerate while moving generally northward in the next 12 hours before turning north northeastward or northeastward for the remainder of the forecast period. The Low Pressure Area east of Sorsogon developed into Tropical Depression "ROSAL" at 8:00 AM today. "ROSAL" is forecast to intensify while moving over the Philippine Sea and may reach tropical storm in the next 24 hours. However, due to the interaction with the Northeast Monsoon, the tropical cyclone may weaken into tropical depression on Monday and become a remnant low on Tuesday.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 2:00 PM today.

DOST-PAGASA

Prepared by: 
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Checked by: 
SFD